Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/06/2022 10:28 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124344	-1	6.56	124346	6.54
Blue	F	SSC	125000	122617	-2	6.76	123133	6.93
Blue	E	FITC	13602	13071	-4	6.79 (1)	368	16.22
Blue	D	PE	24891	24166	-3	6.81	576	13.71
Blue	B	PerCP-Cy5-5	33972	32771	-4	7.36	937	18.67
Blue	A	PE-Cy7	22865	22394	-3	9.33	462	36.03
Red	C	APC	47198	46386	-2	5.60	1603	13.30
Red	A	APC-Cy7	26454	25593	-4	6.79	719	14.83
Violet	B	V450	6737	6464	-5	7.58 (2)	453	14.69
Violet	A	V500	29317	28265	-4	7.42	969	11.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23583	6.86	583	48	N/A	N/A	Pass
Blue	F	SSC	53349	6.74	532	11	N/A	N/A	Pass
Blue	E	FITC	53	64.11	500	16	0.0357	274	Pass
Blue	D	PE	109	44.87	504	18	0.2642	258	Pass
Blue	B	PerCP-Cy5-5	144	48.93	600	21	0.0139	57	Pass
Blue	A	PE-Cy7	72	97.85	649	28	0.0170	9	Pass
Red	C	APC	329	28.43	583	11	0.0233	145	Pass
Red	A	APC-Cy7	130	39.54	562	11	0.0051	1331	Pass
Violet	B	V450	75	54.29	457	7	0.0368	1935	Pass
Violet	A	V500	112	39.54	477	8	0.0204	1594	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.23	-31.07	1.07
Blue	20.35	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.58	13.90 - 20.86	N/A	N/A	29.63	29.82	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 9528

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments